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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Alan David COUCHMAN et al.)	Group Art Unit:
Application No.:)	Examiner:
Filed: June 30, 2006)	Confirmation No.:
For: PHASED ARRAY ANTENNA)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date June 30, 2006

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FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>		
				Application Number		10/585098
				Filing Date		June 30, 2006
				First Named Inventor		Alan David COUCHMAN et al.
				Examiner Name		
Sheet	1	of	1	Attorney Docket Number		1033963-000024

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,568,640	B1	Barnett	05-27-2003
	5,927,654		Foley et al.	07-27-1999
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	4,854,526		Rocheport	08-08-1989
	5,052,640		Chang	10-01-1991

FOREIGN PATENT DOCUMENTS										
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS					
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract
	*7-223597		Japan	08-22-1995				X		
	*94/02972		WO	02-03-1994				X		
	*94/29927		WO	12-22-1994				X		

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*W.E. HARDY, "ERS-1 AMI Antennas: The Design and Development Experience", Marconi Space Systems, Portsmouth, United Kingdom, Proceedings of IGARSS '88 Symposium, Edinburgh, Scotland, 09/13-16/88, Ref. ESA SP-284 (IEEE 88CH2497-6), Published by ESA Publications Division, August 1988, pages 873-876.

*Copy Attached

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.